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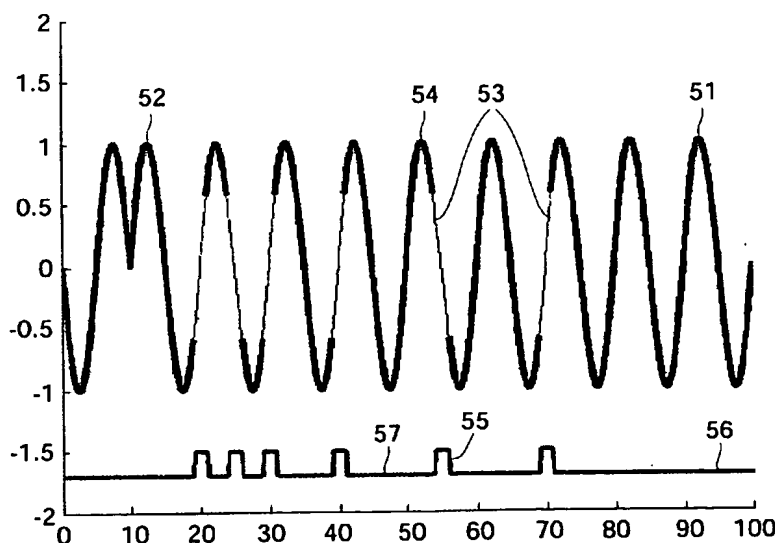
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[Continued on next page]

(54) Title: **MULTILAYER OPTICAL DISC HAVING WOBBLE PITS**



(57) Abstract: A record carrier for recording information by writing marks in a track has a recording layer with a pregroove (51). The pregroove has a wobble that has wobble modulation (52) for representing control information. The pregroove further has a pregroove modulation constituted by pregroove pit areas (54) having a predefined width and depth alternating with pregroove land areas (53) having a reduced depth and/or width, in particular zero depth. A majority of the pregroove land areas (53) is located at zero crossings of the wobble and a majority of the pregroove pit areas is located at peak values of the wobble for optimizing the wobble signal strength. A scanning device has wobble detection means for retrieving the control information from the wobble modulation, and pregroove demodulation means for retrieving the recording control information from the pregroove modulation.



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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 366 564 A (DE HAAN MAARTEN R ET AL) 28 December 1982 (1982-12-28) the whole document	1-10
X	WO 99/13463 A (DEN ENDEN GIJSBERT JOSEPH VAN ; KONINKL PHILIPS ELECTRONICS NV (NL); P) 18 March 1999 (1999-03-18) the whole document	1-10
A	EP 1 276 101 A (MITSUBISHI CHEM CORP) 15 January 2003 (2003-01-15) the whole document	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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